

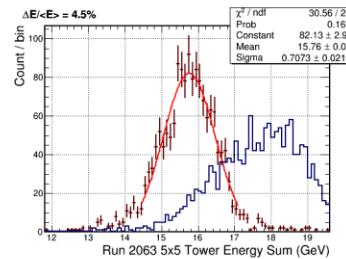
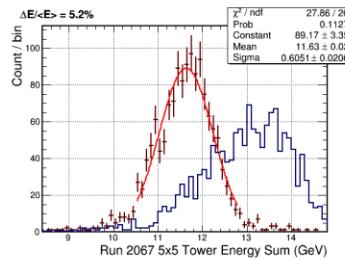
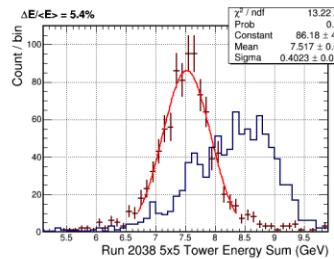
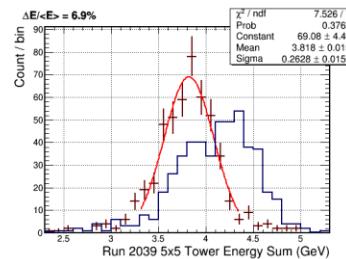
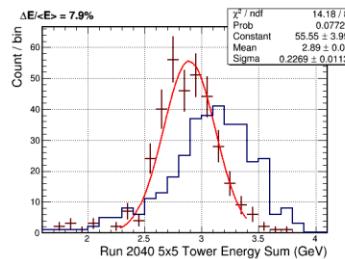
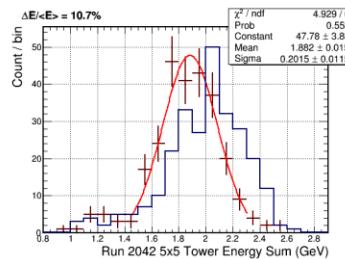


# Discussion on analysis plan

Everyone

# Final calibration

- ▶ Temperature correction (T0, slope, T)
- ▶ EMCAL – e-shower calibration



Online analysis test of  
— Mike S. Set2 MIP calibration  
— Further shower calibration

[https://wiki.bnl.gov/sPHENIX/index.php/T-1044/EMCal\\_good\\_run\\_note#First\\_energy\\_scan](https://wiki.bnl.gov/sPHENIX/index.php/T-1044/EMCal_good_run_note#First_energy_scan)

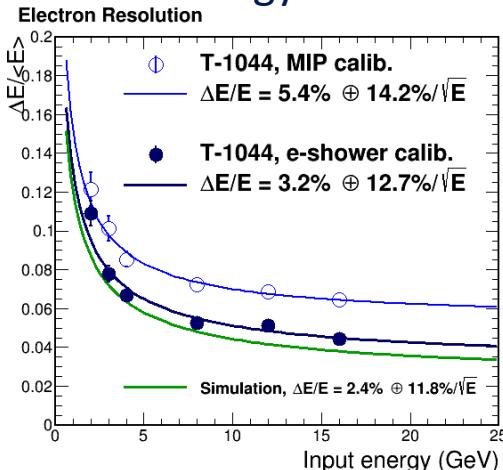
- ▶ HCal – COSMIC calibration (?)

# Target plots EMCAL

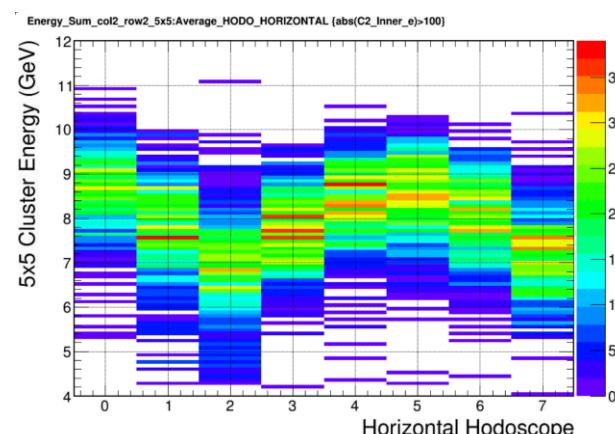
[https://wiki.bnl.gov/sPHENIX/index.php/T-1044\\_publication#Target\\_plots\\_EMCal](https://wiki.bnl.gov/sPHENIX/index.php/T-1044_publication#Target_plots_EMCal)

- ▶ 120 GeV proton calibration
- ▶ Light guide Cherenkov limit, statement or plot
- ▶ Resolution and linearity for UIUC eta =0 and eta = 0.9
- ▶ Resolution and linearity for THP
- ▶ Hadron line-shape
- ▶ Position dependent shower response and corrections
- ▶ Simulation plot for Resolution, linearity and line shape

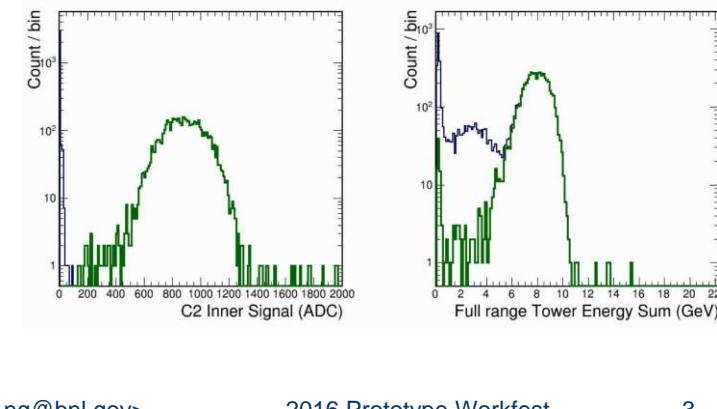
Online analysis on  
first energy scan



Online analysis on edge scan  
Run 2609



QA plots from online production,  
Line shape for Run 2609



# Target plots HCal

[https://wiki.bnl.gov/sPHENIX/index.php/T-1044\\_publication#Target\\_plots\\_HCal](https://wiki.bnl.gov/sPHENIX/index.php/T-1044_publication#Target_plots_HCal)

- ▶ Tile scan results
- ▶ HCAL cosmic calibration
- ▶ Electron and hadron resolution and linearity for HCAL
- ▶ HCAL e/pi
- ▶ Timing lineshape of electrons and hadrons
- ▶ Position dependent shower response and corrections
- ▶ Simulation plot for Resolution, linearity and lineshape



# Target plots EMCAL + HCal

[https://wiki.bnl.gov/sPHENIX/index.php/T-1044\\_publication#Target\\_plots\\_EMCal\\_.2B\\_HCal](https://wiki.bnl.gov/sPHENIX/index.php/T-1044_publication#Target_plots_EMCal_.2B_HCal)

- ▶ EMCAL + HCal – energy scale bootstrapping
- ▶ Joint resolution
- ▶ Joint e/pi separation

Online test on three calorimeter energy bootstrapping

[https://wiki.bnl.gov/sPHENIX/index.php/T-1044/joint\\_data\\_good\\_run\\_note#Energy\\_scale\\_calibration](https://wiki.bnl.gov/sPHENIX/index.php/T-1044/joint_data_good_run_note#Energy_scale_calibration)

